

## ABSTRACT OF THE DISCLOSURE

A tilt detecting apparatus of an information-recording medium having a photo diode for detecting a light reflected from an information-recording medium  
5 and outputting a light amount signal according to the detected light amount; and a  
calculating unit for calculating a radial tilt amount by using the light amount signal,  
wherein the photodiode is divided into a plurality of cells which are identified as  
regions according to a light amount of the reflected light, based on which a tilt  
signal is detected. A portion of the reflected light diffracted at the information-  
10 recording medium is detected by using the 8-divided photo diode, the region  
having a large difference in a light amount by the tilt and the region having a small  
difference in a light amount by the tilt in view of the characteristic of the reflected  
light are detected. And then, after push-pull values of each region are computed to  
remove an influence of the radial shift by using the two push-pull values, a  
15 corresponding difference between the tilt amounts, thereby obtaining an accurate  
tilt direction and degree of the information-recording medium.